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BASIC INSTRUCTIONS

PAPER

The best paper to use for origami will be very thin, keep a crease well, and fold flat. It can be plain white paper, solid-color paper, or wrapping paper with a design only on one side. Regular typing paper may be too heavy to allow the many tight folds needed for some figures. Be aware, too, that some kinds of paper may stretch slightly, either in length or in width, and this may cause a problem in paper folding. Packets of paper especially for use in origami are available from craft and hobby shops.

Unless otherwise Indicated, the usual paper used in creating these forms is square, 15 by 15 centimeters or approximately 6 by 6 inches. Some forms may call for half a square, i.e., 3 by 6 inches or, cut diagonally, a triangle. A few origami forms require a more rectangular size or a longer piece of paper. For those who are learning and have a problem getting their fingers to work tight folds, larger sizes of paper can be used. Actually, any size paper squares can be used—slightly larger figures are easier to make than overly small ones. The paper provided within this gift set is 6 by 6 inches, easy to work with for origami novices.

GLUE

Use an easy-flowing but not loose paper glue. Use it sparingly; don't soak the paper. A toothpick makes a good applicator. Allow the glued form time to dry. Avoid using stick glue, as the application pressure needed (especially if the stick has become dry) can damage your figure.

TECHNIQUE

Fold with care, Position the paper, especially at corners, precisely and see that edges line up before creasing a fold. Once you are sure of the fold, use a fingernall to make a clean, flat crease. Don't get discouraged with your first efforts. In time, what your mind can create, your fingers can fashion.

SYMBOLS & LINES

valley fold

mountain fold

Cut line

Turn over

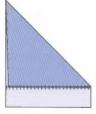
Fold then unfold

Pleat fold (repeated folding) Crease line

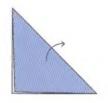
SQUARING OFF PAPER



 Take a rectangular sheet, and valley fold diagonally.



Cut off excess on long side as shown.

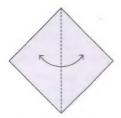


3. Unfold. Sheet is square.

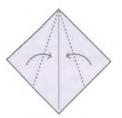


BASIC FOLDS

KITE FOLD



 Fold and unfold a square diagonally, making a center crease.

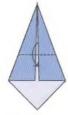


2. Fold both sides in to the center crease.



3. This is a kite form.

VALLEY FOLD

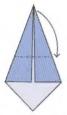


 Here, using the kite, fold form toward you (forward), making a "valley."



2. This fold forward is a valley fold.

MOUNTAIN FOLD

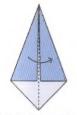


 Here, using the kite, fold form away from you (backwards), making a "mountain."



2. This fold backwards is a mountain fold.

INSIDE REVERSE FOLD



 Here, using the kite, valley fold closed.



 Valley fold as marked to crease, then unfold.



Pull tip in direction of arrow.



4. Appearance before completion.

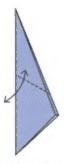


You've made an inside reverse fold.

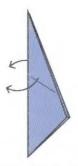


Confer Confer

OUTSIDE REVERSE FOLD



Using closed kite, valley fold and unfold.



Fold Inside out, as shown by arrows.

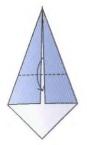


3. Appearance before completion.



You've made an outside reverse fold.

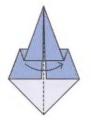
PLEAT FOLD



 Here, using the kite, valley fold.



Valley fold back again.

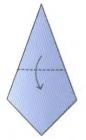


This is a pleat.
 Valley fold in half.



You've made a pleat fold.

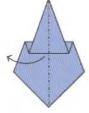
PLEAT FOLD REVERSE



 Here, using the kite form backwards, valley fold.



Valley fold back again for pleat.



3. Mountain fold form in half.

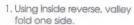


 You've made a pleat fold reverse.











2. You've made a squash fold I.



SQUASH FOLD II



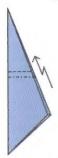




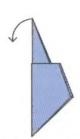
3. Appearance before completion. 4. You've made a squash fold II.



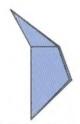
INSIDE CRIMP FOLD



 Here, using closed kite form, pleat fold.

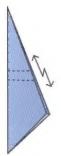


Pull tip in direction of the arrow.

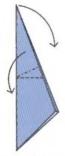


You've made an inside crimp fold.

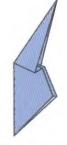
OUTSIDE CRIMP FOLD



L. Here, using closed kite form, pleat fold and unfold.



Fold mountain and valley as shown, both sides.



You've made an outside crimp fold.



Base folds are basic forms that do not in themselves produce origami, but serve as a basis, or jumping-off point, for a number of creative origami figures—some quite complex. As when beginning other crafts, learning to fold these base folds is not the most exciting part of origami. They are, however, easy to do and will help you with your technique. They also quickly become rote, so much so that you can do many using different-colored papers while you are watching television or your mind is elsewhere. With completed base folds handly if you want to quickly work up a form or are suddenly inspired with an idea for an original, unique figure, you can select an appropriate base fold and swiftly bring a new creation to life.

BASE FOLD I



Teold and unfold in direction of arrow



2 Fold both sides in to center crease, then unfold. Rotate.



3 Ford both sides in to center crease, then unfold.



4 Pinch corners of square together and fold inward.



5 Completed Base Fold I.

BASE FOLD II





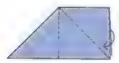


. Hey fold

2 Valley fold

3 Squash fold







6 Completed Base Fold II.



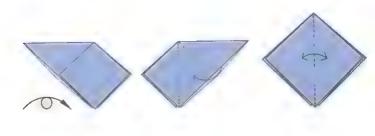
BASE FOLD III



1, Valley fold

2 Valley fold

3 Squash fold

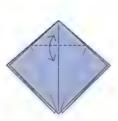


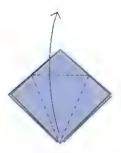
4. Turn over

5. Squash fold.

6. Valley fold, unfold.



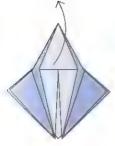




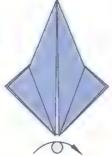
√al ey folds, unfold

8 Valley fold, unfold.

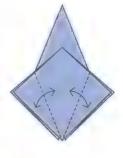
9 Pul, n direction of arrow, folding inward at sides.



completion of fold.

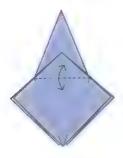


Appearance before 11 Fold completed Turn over.



12. Valley folds, unfold

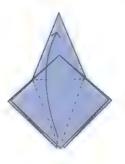




13 Vailey fold unfold



15 Appearance before completion



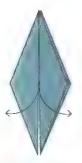
14 Repeat, again pulling in direction of arrow.



16 Completed Base Fold III



FLYING FOX



tart with Base Fold III, pull open in direction of arrows.



2. Squash fold as shown



3 Cut, then unfold



4 Pleat to as on both sides.



5 Squash folds



6 Vailey fold



7 Valey food in half, then rotate form.



8, Inside reverse folds front and back.



- nside reverse folds front and back
- 10 Again, ıns de reverse folds front and back.
- 11 Now outside reverse folds front and back.



- 2 Vailey folds front and back.
- 13. Outside reverse fold 14. Pleat fold.



- 15 nside reverse fold
- 16 Cuts as shown, then 17 Squash fold "ears" valley folds for "ears." to open.



18 Valley fold "wings" front and back



19 Completed Flying Fox



WILD DUCK



Valey fold square in half, diagonally.



2 Vailey folds to half of baseline, front and back.





- 3 Valley folds front and 4 Cuts as shown back, and squash fold as you go.
- 5 Now mountain folds front and back.



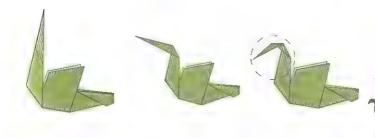
- 6 inside reverse fold
- 7 Another naide reverse fold.
- 8 Inside reverse fold again.



 Valley folds, front and back.

10 Mountain fo.d, to form "tali" end.

11. Outside reverse fold



12 Outside reverse fold

13 Outside reverse fold

14 Completed fold, see close-ups for head detail.



15 Pul to sides and flatten.

16 Pleat fod

17 Return to full view



18 Pleat fold "wings" front and back.



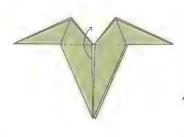
19 Completed Wild Duck.



FLYING DRAGON

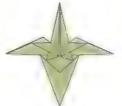


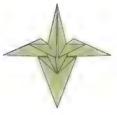
Start with Base Fold III. Inside reverse folds



2. Valley fold



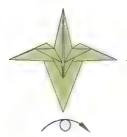




3 Valley folds and squash folds.

4 Valley folds

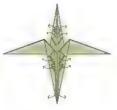
5 Make cuts, then mountain folds.



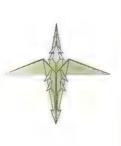
6 Cut point as shown, then turn to other side.



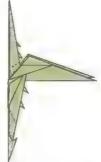
7 Valley folds



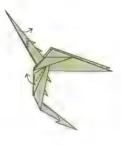
8 Make all cuts to front layer as shown here, then valley fold cut parts.



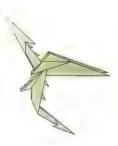
valey fold in half



10 Crimp ford, and nside reverse fold.



11 Cut and valley unfold. Outside reverse folds front and back.



Cuts on both folds, then valley folds to sides.



13 Valley folds.



14 Cuts and valley folds front and back.









15. Valley folds both sides, then see close-up views for next steps.

16 Pleat fold.

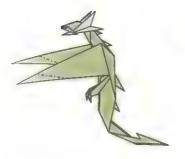
17 Valley fold both sides



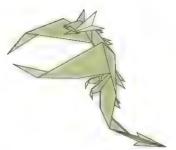


18. Valley fold both sides.

19 Back to full view.



Mountain folds both sides



21 Completed Flying Dragon





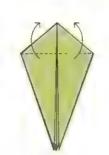
PHOENIX

PART 1





- Start with a square sheet cut diagonally, valley folds and crease, then unfold
- 2 Vailey folds again and crease, then unfold



4 Valiey folds.



5 Valley folds.



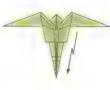
- Pinch corners

together, folding

Mountain folds



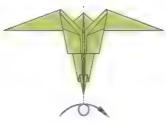
7 Pleat fold



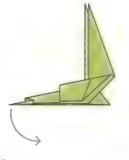
8. Pleat fold.







9 Mountain fold in half, and rotate form.

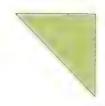


10 Pull point downward and crimp to position "head."



11 Part 1 (front) of phoenix, ready for head detail (part 3).

PART 2

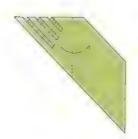


Res .

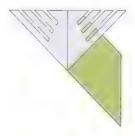
Start with a square sheet cut diagonally; val ey fold.

2 Inside reverse fold

Make double cuts for width as snown

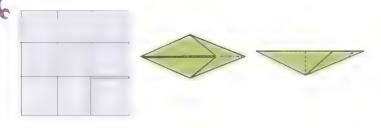


4 Valley fold the first layer.



5 Completed part 2 (back) of phoenix.

PART 3



- Cut 1/9th square of orgami paper, and make Base Fold I.
- 2 Mountain fold in half
- 3 Squash fold both sides, outside reverse fold tip.

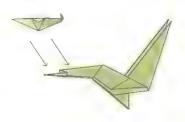




4 Valley ford both sides.

Completed part 3 ("head" section) of phoenix.

TO ATTACH

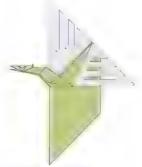


1 Join parts 1 and 3 together, apply glue.

2 Cut off flap as shown



3 Join combined parts 1 and 3 with part 2 as shown, and apply glue to secure

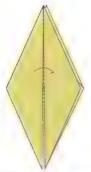


4 Completed Phoenix

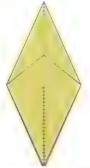


PEGASUS

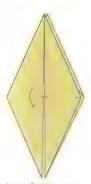
PART 1



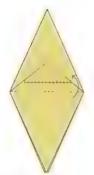
1 Start with Base Fold III and valley fold front and back



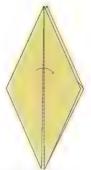
Cut through layers, valley fold front and back again.



1 Valley fold top layer



4 Cut off corner, as shown, then valley fold layer back



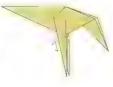
5 Valley fold form in half.



Mountain fold front and back layers; inside reverse fold. Rotate.



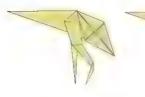
7 Vailey folas front and back.



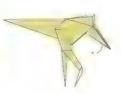
8 Pleat folds front and back.



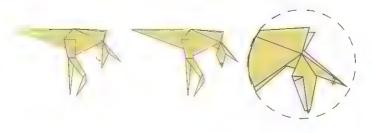
9. Puil front "leg" outward and in direction of arrow. squash into position. 10 Outside reverse fold 11 Valley fold







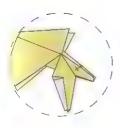
- 12 Make cuts in layer as indicated
- 13 Open cut layers in airection of arrows Valley fold in half.
- 14 Vailey fold to crease, then outside reverse fold lower layer only.



15 Pull paper out from nside of reversed .ayer and flatten to form "head."

16 Valiey fold and cut tip See close-ups for "head" detail

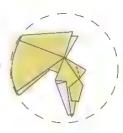
17 Cut off other tip



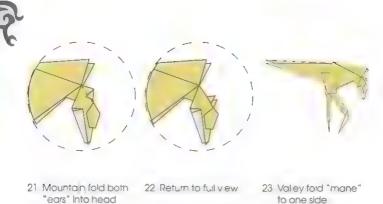
8 Partially out through both sides as shown



19 Open upper foods in direction of arrows, and outside reverse fold tip to form "mask."



20 Valley fold both sides.





section

24 Make cuts through layers as naicated



25 Valley fora "wings" front and back



26 Completed part 1 (front) of Pegasus

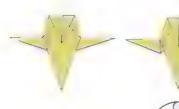
PART 2 (Copy



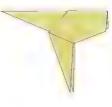




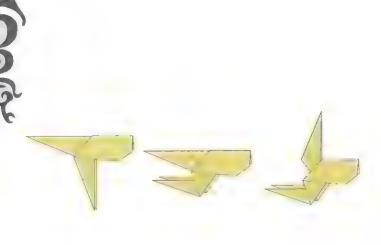
- 1 Start with Base Fold III, 2 Valley folds then inside reverse folds.
- 3. Valley fold



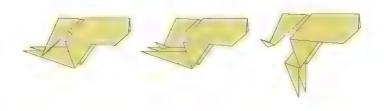




- 4 Vailey folds
- 5. Valley fold in half and rotate.
- 6 Mountain folds front and back.

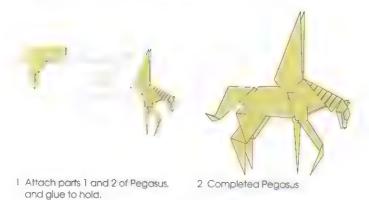


- 7 Inside reverse fords front and back.
- 8 Outside reverse fold 9 Outside reverse fold



- 10 Outside reverse fold 11 Inside reverse folds to finish "tail,"
 - front and back
- 12 Completed part 2 (rear) of Pegasus.

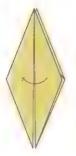
TO ATTACH





UNICORN

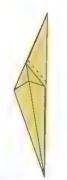




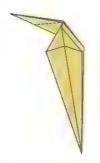
1 Start with Base Fold II Valley fold in half



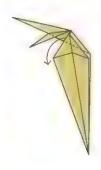
2. Valiey fold Repeat behind



inside reverse fold,



4 Outside reverse fold outside layer only.



5 Valley fold



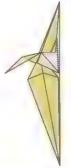
 Cuts and valley unfolds,



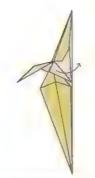
7. Valley fold.



8. Unfolds and valley fold.



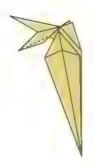




10 Unfold and return to Step 8 position.



 Pul a single layer to each side.



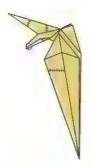
12. Valley folds front and back



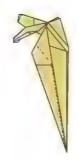
13 inside reverse fold



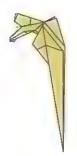
14. Outside reverse fold.



5 Cuts as shown



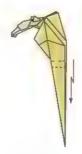
16 Mountain folds



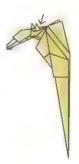
 Outside reverse folds,



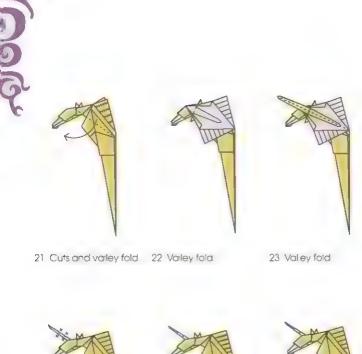
⁶ Peat folds

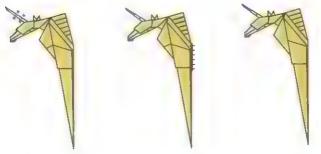


19 Pleat fold



20 Tuck both side flaps inside,



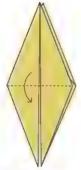


24 Crimp folds

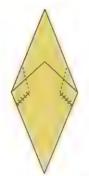
25 Cut edge as shown

26 Completed part 1 of Unicom.

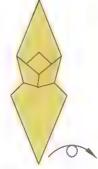
(Coo



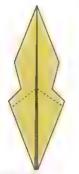
 Start with Base Fold III Valley fold



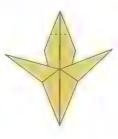
2 Cuts as shown through all ayers and valley folds.



3 Turn over to other side



4 Valley folds.

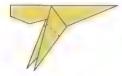


5 Mountain fold

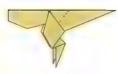


6 Mountain fold in half, then rotate.

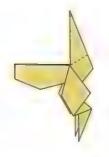


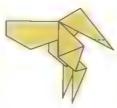


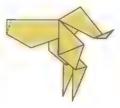




- 7 inside reverse folds front and back.
- 8 Inside reverse folds 9 Inside reverse fold front and back.





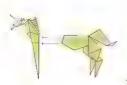


- 10 Inside reverse fold
- 11 Outside reverse fold 12 Inside reverse fold.



13, Completed part 2 of Unicorn.

TO ATTACH



Join both parts together. Apply glue to hold and separate egs for standing.

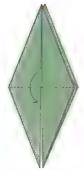


2 Completed Unicom.



SPHINX

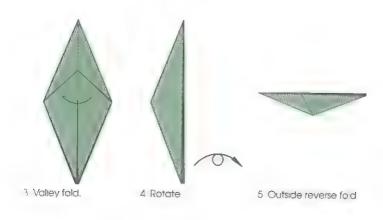
PART I

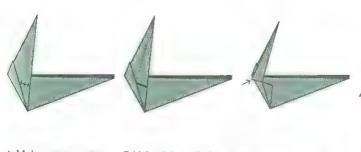


 Start with Base Fold III. Vailey fold.



2. Cut as shown.

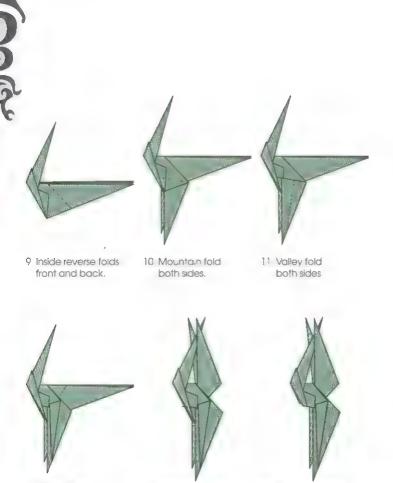




 Make cuts to both sides.

7. Valley fold both sides

8 Tuck tips behind front layer.



12 Valley fold both sides.

13. Mountain food both sides.

14 Mountain fold both sides



15 Valley fold both sides.



16 Inside reverse folds both sides.



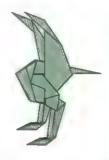
17 Inside reverse folds both sides.



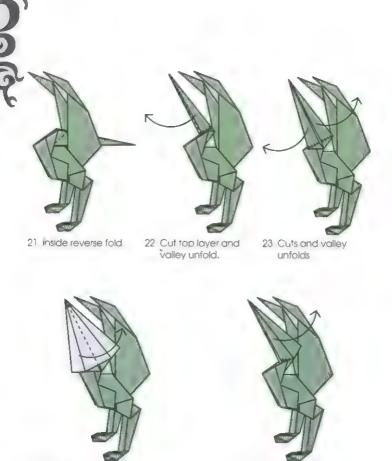
18 Inside reverse fold



19 Outs de reverse folds.

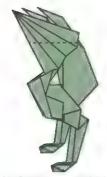


20 Outside reverse folds both feet.



24. Valley fold.

25. Cut and valley folds.



26 Outside reverse fold 27, inside reverse fold





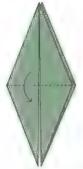
28 Valley fold both sides



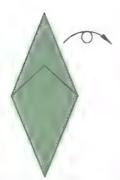
29 Completed part 1 of Sphinx.



30. Or, with wings forward.



Start with Base Fold II
 and valley fold



2 Turn over to the other side



3 Make cuts and mountain folds



4 Valley folds



5. Mountain fold



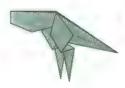
6 Mountain ford in half and rotate.







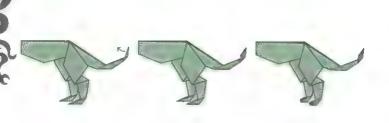
- 7 Inside reverse fold front and back.
- 8 Inside reverse folds both sides.
- 9 Pull and crimp into position.







- 10 Mountain fold both sides.
- 11 Outside reverse folds.
- 12 Inside reverse fo a



13 Vailey unfolds

- 14 Outside reverse folds 15 Completed part 2 both feet.
 - of Sphinx.

TO ATTACH TOO !



- 1. Join both parts together as shown and apply glue to hola
- 2. Completed Sphinx,



CENTAUR

PART I



Start with Base Fold II inside reverse folds.



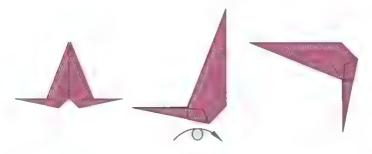
2. Valley folds both sides



3 Valley foods

4 Peat folds

5 Valley fold



6 Valiey fora n half

7 Rotate

8 Outside reverse fold



9 Cut outer edge only, as shown.



10 Valley fold front and back.



11 Valley fold front and back.



12 Mountain fold



13 Mountain fold



14. Cut as shown













18 Inside reverse fold 19 Cut and mountain fold. Repeat behind.



20 Turn over to other side.



21 Mountain fold



22 Mountain fold



23. Mountain fold



24 Valley fold



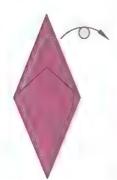
25 Pull and squash fold.



26 Completed part 1 of Centaur.



Start with Base Fold I.I.
 Valley fold.



2 Turn over to other side



3 Cuts and mountain fo as



4. Valley foods



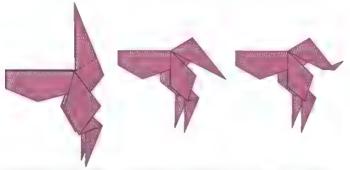
5 Mountain foid



6 Mountain fold in half, then rotate.



- 7 Inside reverse folds 8 Inside reverse folds 9 Outside reverse fold. front and back.
 - front and back.



10 Outside reverse fold. 11 Outside reverse fold. 12 Inside reverse fold.



13. Complete part 2 of Centaur.

PART 3 (Coo





1 Valey fo a 2" by 5" (5 by 13 cm) 2 Inside reverse fold sheet.



3. Cut as shown,



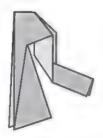
4. Cuts and mountain fold front and back.



5 Mountain foods front and back.



6 Inside reverse fold



7 Complete part 3 of Centaur.



 Join all parts together as shown. Apply glue to hold.

2 Completed Centaur



HYDRA

PART 1



 Start with Base Fold II. Cut front layer only, as shown.



2 Valley fold



3 Inside reverse folds



4 Cut as snown, then valley fold.



5 Cut and valiey fod.



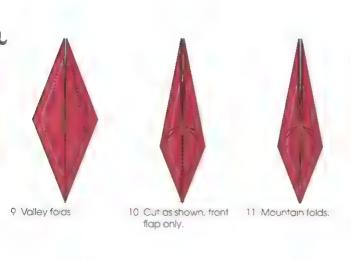
6. Valley fold

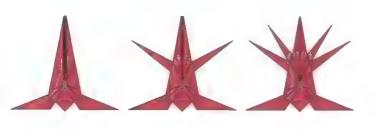


7. Cut and valley fold.



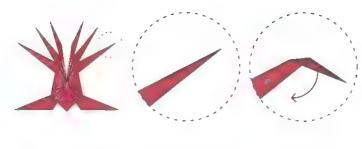
8 Turn over to other side



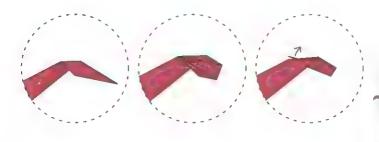


12 Mountain folds 13 Mountain folds

14. Mountain folas



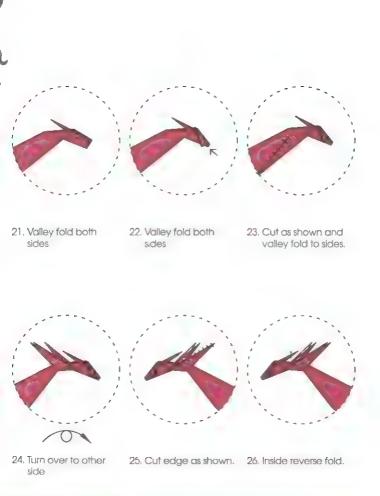
15. See close-ups for 16. Inside reverse fold 17. Valley fold. detai.



18. Valley fold.

Valley fold.

20. Pul and squash fold into place.





27. Valley folds out to sides. Turn over.



28 Return to full view



29 For other "neads," repeat Steps 16 through 28, Valley folds.



30. Outside reverse folds.



 Outside reverse folds.



Outside reverse folds.



33 Inside reverse folds



34 Mountain fold in half.



35 Completed part 1 of Hydra.



 Start with Base Fold III Cuts to top layer



2 Valley fold



3 Inside reverse folds



4 Cut, then turn over to other side.



5 Valley fold both sides



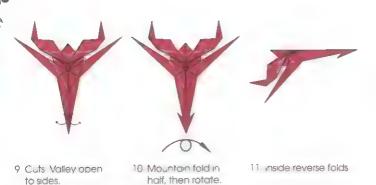
6 Valley folds



7 Mountain ford side flaps.



8 Valley folds.









15. Pull and squash into place to add curve.

16, Completed part 2 of Hydra.

TO ATTACH



 Join both parts together and apply glue to hold. Position heads, and open out figure to stand.

2. Completed Hydra.

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TOO !

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